VHD2.18J Technical Data Sheet

Introduction

The new VHD2.18J is a direct radiating bass-reflex speaker containing two 18"
high performance transducers, designed to withstand very high power levels.
The optimised, high efficiency, bass-reflex design of the VHD2.18J produces
considerably more output than other comparable double 18" enclosures.
Constructed of Baltic Plywood, integrated proprietary Flyware allows
for fast rigging of multiple cabinets when they are needed to be flown.
An ideal subwoofer for any application where direct radiating bass speaker
reproduction is required.

Features

- Designed in response to calls for a high output ultra low frequency subwoofer solution
- Double 18" subwoofer with an input power handling capability of 3200W
- Incredibly efficient, the VHD2.18J can produce output levels in excess of 138dB
- Frequency response from 32Hz through to 200Hz

Application

Especially designed to add extreme low frequency-last octave extension with exceptional high output to the VHD2.0 and VHD1.0 / SL in conjunction with or without other VHD Subwoofers

- Large scale live music and playback performance
- Hire and Production
- Large Concert venues
- Cinema
- Nightclub
- Fixed installation
- Easily incorporated into multiple system projects with VHD and SL products

System Acoustic Perfomance	
Max SPL Long-term	136dB
Max SPL Peak	142dB
-3dB Response	32Hz to 200Hz
-10dB Response	28Hz to 250Hz
Impedance	4Ω
Crossover Point	70Hz to 150Hz

Low Frequency Section	
Acoustic Design	High Efficiency, Front Loaded, Bass Reflex
Low Frequency Amplifier Requirement	1600W / 1x VHD2.18J / VHD3200 amp
Number of Drivers	2
Woofer Size / Voice Coil Diameter / Design	18"/4.5"
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Neodymium

Speaker Input	
Speaker Input	AP4

Cabinet	
Cabinet Material	Baltic birch
Handles	8
Color	"Orange peeled" Matt Black or any RAL

Physical Dimensions	
Height	570 mm (22.44")
Width	1080 mm (42.52")
Depth	800 mm (31.5")
Weight	93 kg (205 lbs)

VHD2.18J Technical Data Sheet

Architectural Specifications

The Loudspeaker shall be a Direct Radiator Bass Reflex - extreme output design, using SLA Technology - (Super Live Audio), and shall only be driven and controlled by a dedicated – matched Amplifier Controller.

The Loudspeaker enclosure shall consist of two 18" Neodymium magnet structure Low Frequency-high definition-output driver.

The cabinet enclosure shall be made from re-enforced Baltic Birch Ply, with toughened impact and wear resistant paint finish. The Loudspeaker woofer component shall be protected by an acoustically full size transparent rigid metal grille supported by absorbent rubber seals.

The enclosure shall incorporate four ergonomically designed recessed handles in each side panel. The enclosure shall incorporate four front and rear corner propriety integrated flyware points, by employment of a dedicated FLYBAR System for single or multiple suspension , as well as securing to the dedicated wheel cart for movement and transportation. The enclosure shall include four high impact, low friction feet on the bottom panel and multiple sunken locators on the top panel to allow enclosure locking into other VHD cabinets and easy movement.

The enclosure shall incorporate a recessed connection panel with integral cable secure point and will be fitted with a single input Amphenol AP4 locking connector. A switch shall be incorporated to activate front or rear connection for Cardioid use.

The Loudspeaker shall have a maximum long term pressure level of 137dB, with a total peak power handling capacity of 1600W, a measured frequency response of 32Hz to 200Hz (-3dB), 28Hz to 250Hz (-10dB). The Nominal Impedance shall be 4 ohm.

The Enclosure dimensions shall be: 570 mm / 22.44" x 1080 mm / 42.52" x 800 mm / 31.5".

The Enclosure shall not exceed a weight of 93 kg / 205 lbs.

The Loudspeaker shall be the KV2 Audio VHD2.18jJ. The dedicated Amplifier/Controller shall be the KV2 Audio VHD3200.

The dedicated fly ware shall be the VHD2.18J FLYBAR System.

Dimensional Drawings